

LNT-45 BLACK

3.7W IP67/68 FLEXIBLE LED NEON SERIES

Project _____

Location _____

Quote/ Ref # _____

LNT-45 Black is a high performance flexible LED fixture designed as a neon replacement. Suitable for indoor and outdoor applications, the LNT-45 Black easily bends around contours and tight curves without being damaged. It allows for easy installation with its factory sealed terminators and self-locking male and female barrel connectors.



SPECIFICATIONS

INPUT VOLTAGE	24V DC Constant Voltage
POWER CONSUMPTION	3.7W per Ft.
LUMEN OUTPUT	21 Lm/ Ft.
CRI	85+
COLOR TEMPERATURE	22K / 27K / 30K / 35K / 40K / 50K
DIMMING/ CONTROL	MLV, ELV, 0-10 and TRIAC
MAXIMUM RUN LENGTH	32 Ft.
MINIMUM RUN LENGTH	4.38 in.
CUT INTERVALS	Every 55.6mm (2.19 in)
POWER FACTOR	≤ 1
STORAGE TEMPERATURE	-40°F (-40°C) to 140°F (60°C)
OPERATING TEMPERATURE	-40°F (-40°C) to 131°F (55°C)
BEAM ANGLE	160°
HUMIDITY	0-95% Non Condensing
IP RATING	IP67/ IP68
CERTIFICATIONS	UL Listed
LUMEN MAINTENANCE	50,000 Hrs.

FEATURES

- High color consistency
- Smooth illumination
- Black Protective Jacket
- Continuous run length up to 32 Ft.
- Waterproof, submersible under water
- Bottom, Side and End Feed options
- UL Listed (US and Canada)

*This product is factory-cut only. Do not field modify.

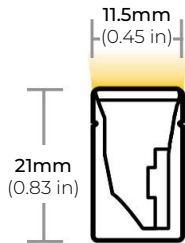


MODEL	LENS	COLOR TEMP	LENGTH	VOLT	INPUT	FEED LENGTH	OUTPUT	FEED LENGTH*
LNT-45BK	F Flat	22K 2200K	Please refer to page 5 for exact cutting lengths..	24 24V DC	BF Bottom Feed	HW3 3 Ft. Power Feed	BF Bottom Feed	HW3 3 Ft. Power Feed
		SFL Side Feed Left			HW10 10 Ft. Power Feed	SFL Side Feed Left	HW10 10 Ft. Power Feed	
		SFR Side Feed Right			HW16 16 Ft. Power Feed	SFR Side Feed Right	HW16 16 Ft. Power Feed	
		EF End Feed			HW32 32 Ft. Power Feed	EF End Feed	HW32 32 Ft. Power Feed	
					HW50 50 Ft. Power Feed	EC End Cap	HW50 50 Ft. Power Feed	
*Not compatible with End Cap (EC)								

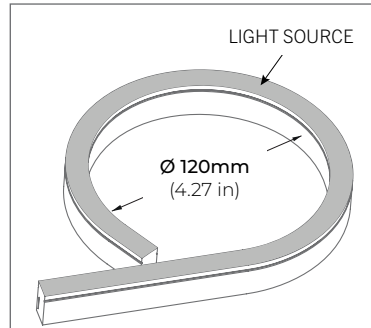
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DIMENSIONS

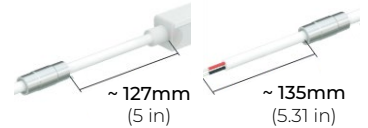


FLAT LENS



BEND DIAMETER

LED strip only bends along horizontal axis. Bending the LED strip vertically (perpendicular) to the light surface risks damage to the LED strip. Do **NOT** bend more than the indicated bend radius (shown above). Doing so will damage the LED strip.



ABOVE WATER

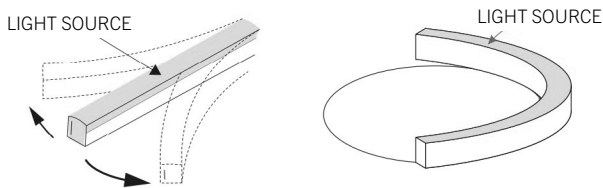
UNDERWATER

POWER FEED CHOKER

All CORE Lighting IP67/IP68 Neons include a choker that sits roughly 5" from the end of the Neon for above water applications, and roughly 5.31" from the end of the cable for underwater applications.

*Warranty is void if removed.

HORIZONTAL BEND

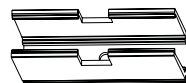


COMPATIBLE ACCESSORIES

SELF LOCKING ALUMINUM PROFILE

LNT45-AC2
1.38" PROFILE

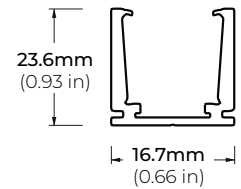
LNT45-AC39
39" PROFILE



LNT45-AC2

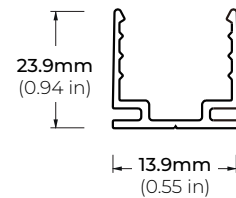
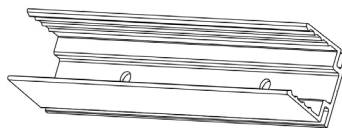


LNT45-AC39



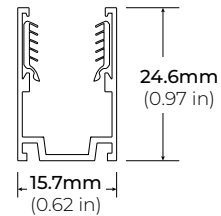
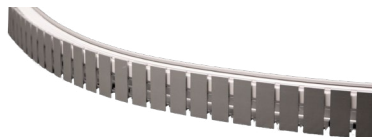
PLASTIC PROFILE

LNT45-PC39
39" PROFILE



FLEXIBLE ALUMINUM CHANNEL

LNT45-AFX
39" CHANNEL



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COMPATIBLE ACCESSORIES

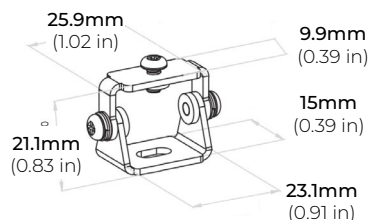
FLEXIBLE PROFILE

LNT45-SPX39-WH
39" PROFILE (WHITE)

LNT45-SPX39-BK
39" PROFILE (BLACK)



LNT45-BKT-ADJ
ADJUSTABLE BRACKET



RACEWAY PROFILE

LNT45-SMR-AC39-SI
39" PROFILE (SILVER)

LNT45-SMR-AC39-WH
39" PROFILE (WHITE)

*Made to Order.

LNT45-SMR-AC39-BK
39" PROFILE (BLACK)

*Made to Order.

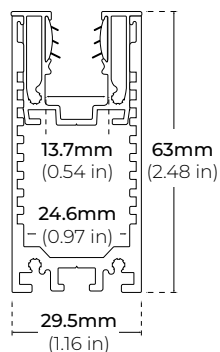
LNT45-SMR-EC
END CAPS

* Set of 2 (1 with Hole and 1 without Hole)

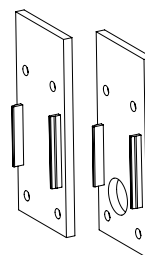
* Sold Separately

LNT45-SMR-SC
JOINER BRACKET

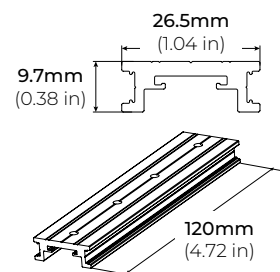
* Sold Separately



LNT45-SMR-AC39



LNT45-SMR-EC



LNT45-SMR-JB

LNT-45 BLACK

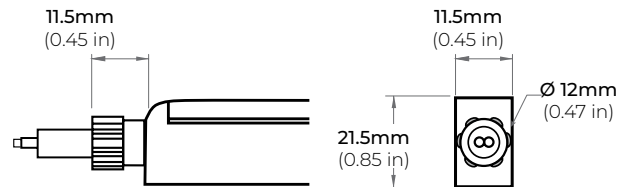
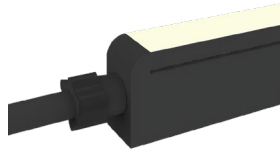
3.7W IP67/68 FLEXIBLE LED NEON SERIES

CORE
ARCHITECTURAL
LIGHTING

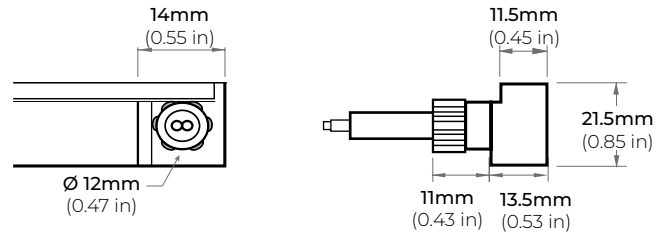
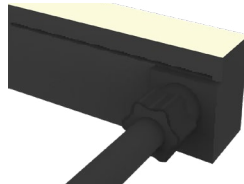
UPDATED: 10.05.26

IP67/68 POWER FEED

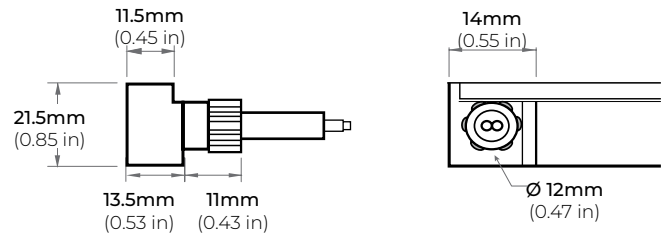
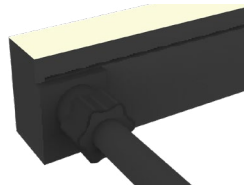
EF
END FEED



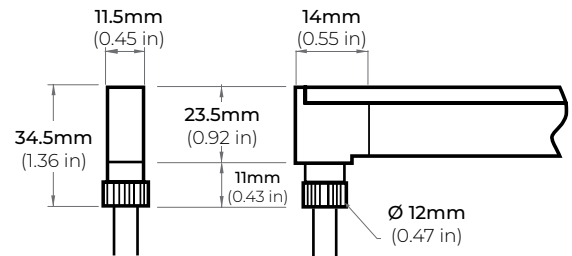
SFL
SIDE FEED LEFT



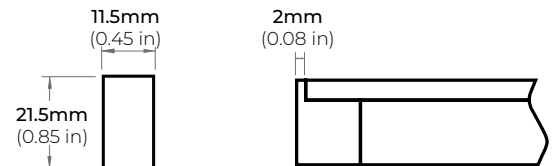
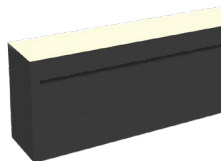
SFR
SIDE FEED RIGHT



BF
BOTTOM FEED



EC
END CAP



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CUTTING LENGTHS

LNT-45 Black is cuttable every **2.19" (5.6CM)**. Please refer to the chart below to determine actual lengths once LED is cut versus actual lengths required or specified.

Total Length Calculation = LNT Neon Series Length + End Feed option Length

Example: 33.95" Total Length = LNT Neon Series (32.85") + (1.1") End Feed

*Minimum Run Length is 4.38".

POWER FEED OPTION	
END FEED	1.1"
BOTTOM FEED	0.20"
SIDE FEED	0.20"

CUTTING LENGTH INCREMENT TABLE

LENGTH (IN)	LENGTH (IN)	LENGTH (IN)	LENGTH (IN)	LENGTH (IN)
4.38	91.98	179.58	267.18	354.78
6.57	94.17	181.77	269.37	356.97
8.76	96.36	183.96	271.56	359.16
10.95	98.55	186.15	273.75	361.35
13.14	100.74	188.34	275.94	363.54
15.33	102.93	190.53	278.13	365.73
17.52	105.12	192.72	280.32	367.92
19.71	107.31	194.91	282.51	370.11
21.9	109.5	197.1	284.7	372.3
24.09	111.69	199.29	286.89	374.49
26.28	113.88	201.48	289.08	376.68
28.47	116.07	203.67	291.27	378.87
30.66	118.26	205.86	293.46	381.06
32.85	120.45	208.05	295.65	383.25
35.04	122.64	210.24	297.84	
37.23	124.83	212.43	300.03	
39.42	127.02	214.62	302.22	
41.61	129.21	216.81	304.41	
43.8	131.4	219	306.6	
45.99	133.59	221.19	308.79	
48.18	135.78	223.38	310.98	
50.37	137.97	225.57	313.17	
52.56	140.16	227.76	315.36	
54.75	142.35	229.95	317.55	
56.94	144.54	232.14	319.74	
59.13	146.73	234.33	321.93	
61.32	148.92	236.52	324.12	
63.51	151.11	238.71	326.31	
65.7	153.3	240.9	328.5	
67.89	155.49	243.09	330.69	
70.08	157.68	245.28	332.88	
72.27	159.87	247.47	335.07	
74.46	162.06	249.66	337.26	
76.65	164.25	251.85	339.45	
78.84	166.44	254.04	341.64	
81.03	168.63	256.23	343.83	
83.22	170.82	258.42	346.02	
85.41	173.01	260.61	348.21	
87.6	175.2	262.8	350.4	
89.79	177.39	264.99	352.59	

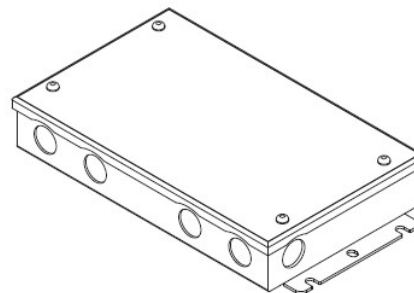
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COMPATIBLE TRANSFORMERS

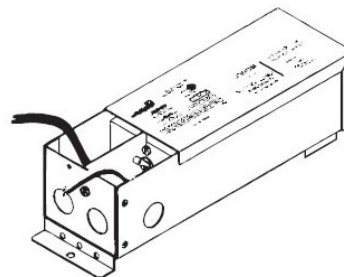
PSDL SERIES TRIAC DIMMABLE

PSDL-30W-24V	CLASS 2	6.5" X 3.63" X 1.03"
PSDL-60W-24V	CLASS 2	7.4" X 3.63" X 1.03"
PSDL-96W-24V	CLASS 2	8.67" X 3.67 X 1.62"
PSDL-150W-24V		8.67" X 3.67" X 1.62"
PSDL-192W-24V	CLASS 2	10.25" X 4.06" X 1.82"
PSDL-200W-24V		10.25" X 4.06" X 1.82"
PSDL-288W-24V	CLASS 2	10.25" X 4.06" X 1.82"
PSDL-300W-24V		10.25" X 4.06" X 1.82"



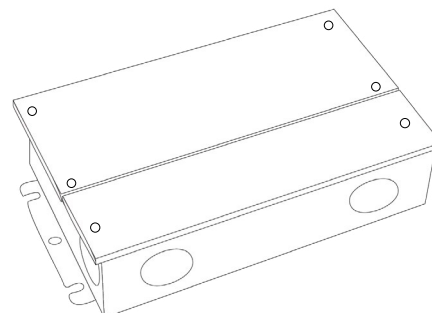
PSDH SERIES HIGH PERFORMANCE MAGNETIC LOW VOLTAGE (MLV)

PSDH-48W-24V	CLASS 2	11.25" X 3.37" X 3.25"
PSDH-96W-24V	CLASS 2	11.25" X 3.37" X 3.25"



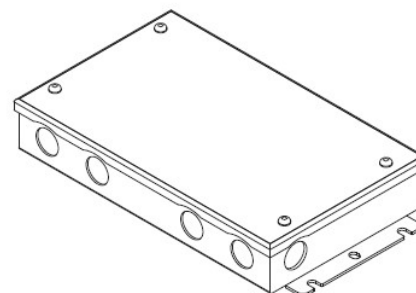
PSRX SERIES 4-IN-1 DIMMING DRIVER

PSRX-30W-24V	CLASS 2	6.5" X 3.72" X 1.57"
PSRX-60W-24V	CLASS 2	7.4" X 3.72" X 1.57"
PSRX-96W-24V	CLASS 2	8.66" X 3.72" X 1.57"
PSRX-150W-24V		10.24" X 4.13" X 1.77"
PSRX-192W-24V	CLASS 2	11" X 4" X 1.82"
PSRX-200W-24V		10.24" X 4.13" X 1.77"
PSRX-288W-24V	CLASS 2	11.85" X 4.25" X 1.82"
PSRX-300W-24V		10.94" X 4.33" X 1.77"



PSVT SERIES 0-10V DIMMING DRIVER

PSVT-60W-24V	CLASS 2	7.4" X 3.72" X 1.57"
PSVT-96W-24V	CLASS 2	8.66" X 3.72" X 1.57"
PSVT-200W-24V		10.24" X 4.13" X 1.77"
PSVT-288W-24V	CLASS 2	11.85" X 4.25" X 1.81"
PSVT-300W-24V		10.94" X 4.33" X 1.77"



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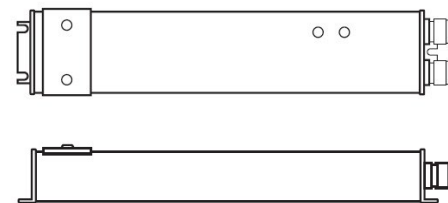
3.7W IP67/68 FLEXIBLE LED NEON SERIES

COMPATIBLE TRANSFORMERS

PSDE SERIES

0-10V DIMMING W/ JUNCTION BOX

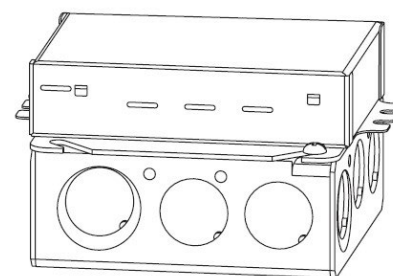
PSDE-60W-24V-010-JB	CLASS 2	12.1" X 2.36" X 1.4"
PSDE-96W-24-010-JB	CLASS 2	12.1" X 2.36" X 1.4"



LUTRON 1%

3-WIRE DIMMING

L3DA4U1UKL-CV240	CLASS 2	4.89" X 4" X 2.62"
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PSDE-96W-24V-ECO	CLASS 2	10.5" X 3.0" X 2.0"
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COMPATIBLE NON-DIMMING DRIVERS

PSHK SERIES

NON-DIMMING CONSTANT VOLTAGE WITH JUNCTION BOX

PSHK-30W-24V	CLASS 2	6.5" X 3.6" X 1.02"
PSHK-60W-24V	CLASS 2	7.4" X 3.62" X 1.02"
PSHK-96W-24V	CLASS 2	8.66" X 3.66" X 1.61"
PSHK-150W-24V		10.24" X 4.06" X 1.81"
PSHK-200W-24V		10.24" X 4.06" X 1.81"
PSHK-288W-24V	CLASS 2	11.85" X 4.25" X 1.82"
PSHK-300W-24V		10.24" X 4.25" X 1.81"

